

DG 300 HD Z20 - Z21/Z22 - ATEX EXPLOSION PROOF



FOOD INDUSTRY



ALUMINUM AND PVC



POWER PLANTS



BUILDING AND CONSTRUCTION



- ✓ Tangential suction inlet with integrated separation cyclone
- ✓ ATEX certified for Zone 20 inside the chamber and for Zone 21 outside the chamber
- ✓ Stainless steel AISI304 collection tank
- ✓ Large surface antistatic filter
- ✓ Additional HEPA filter (99,995% on 0,18 micron) included
- ✓ Side channel blower motor, powerful and silent, totally maintenance free, suitable for continuous duty
- ✓ Integrated filter cleaning system
- ✓ Pressure relief valve for motor protection



SUCTION UNIT

Atex zones		20 Ins - 21/22 Out
Marking		II 1/3D - II 1/2D
Voltage	V - Hz	400 - 50
Power	kW	18,5
Electrical protection	IP	65
Max waterlift	mmH2O	1800
Max air flow	m ³ /h	2050
Suction inlet	mm	120
Noise level (EN ISO 3744)	dB(A)	78



FILTRATION UNIT

Filter Type		Star
Surface - Diameter	cm ² -mm	120.000-780
Material - Efficiency	IEC 60335-2-69	Polyester - ANT M
Cleaning system		Automatic AUT



COLLECTION UNIT

Capacity	lt.	220
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VOLUME

Dimensions	cm	95x180x220h
Weight	kg	810



SUCTION UNIT

The suction unit is a side channel blower, with direct coupling between the motor and the impeller fan. It designed without any transmission system, and is therefore silent, totally maintenance free and suitable for continuous duty operations.

The suction unit is ATEX certified.



FILTRATION UNIT

An antistatic polyester star filter is placed inside the steel filter chamber. This filter protects the suction unit by preventing any spark which might be caused by electrostatic discharge.

A HEPA filter is included as standard (99,995% on 0,18 micron, class H) which holds the finest dusts and guarantees the cleanliness of the leaving air.

The filter is equipped with an automatic filter shaking system. A pneumatic cylinder periodically shakes the star filter by a vertical shaking movement which causes the detachment of dusts and wastes from the filter. The frequency and length of this system can be adjusted by means of a timer placed inside the electrical panel



COLLECTION UNIT

The vacuumed material is placed inside an AISI304 stainless steel drop-down bin mounted on wheels, which makes it possible to dispose easily and safely of the vacuumed material, if need be collecting it directly into a paper bag.



OPTIONALS

- ✓ OTHER VOLTAGES AND FREQUENCIES AVAILABLE UPON REQUEST
- ✓ STAINLESS STEEL TANK AND FILTER CHAMBER
- ✓ REVERSE PULSE FILTER CLEANING